

FIG.1

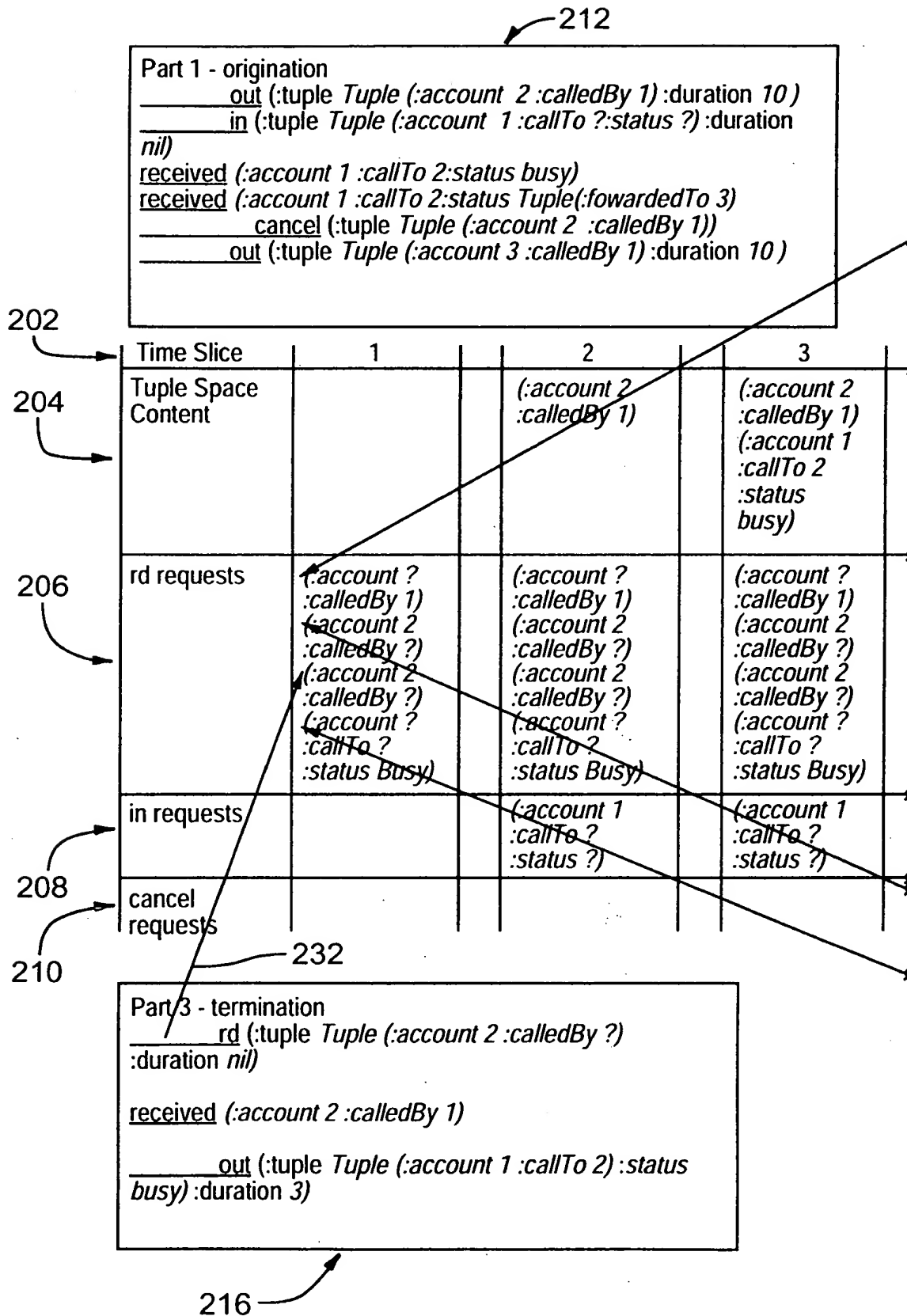


FIG.2A

Table Data:

4	5	6	7
(:account 1 :callTo 2 :status Tuple(:forwardedTo 3)) (:account 2 :calledBy 1)	(:account 3 :calledBy 1) (:account 2 :calledBy 1)		
(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)	(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)	(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)	(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)
(:account 1 :callTo ? :status ?)	(:account 1 :callTo ? :status ?)	(:account 1 :callTo ? :status ?)	(:account 1 :callTo ? :status ?)
	(:account 2 :calledBy 1)		

Part 2 - call screening (214):

```

rd (:tuple Tuple (:account ? :calledBy 1) :duration nil)
received (:account 2 :calledBy 1)
received (:account 3 :calledBy 1)

```

Part 4 - forwarding (218):

```

rd (:tuple Tuple (:account 2 :calledBy ?) :duration nil)
rd (:tuple Tuple (:account ? :callTo 2 :status busy) :duration nil)
received (:account 2 :calledBy 1)
received (:account 1 :callTo 2 :status busy)
out (:tuple Tuple (:account 1 :callTo 2) :status Tuple(:forwardedTo 3)) :duration 3)

```



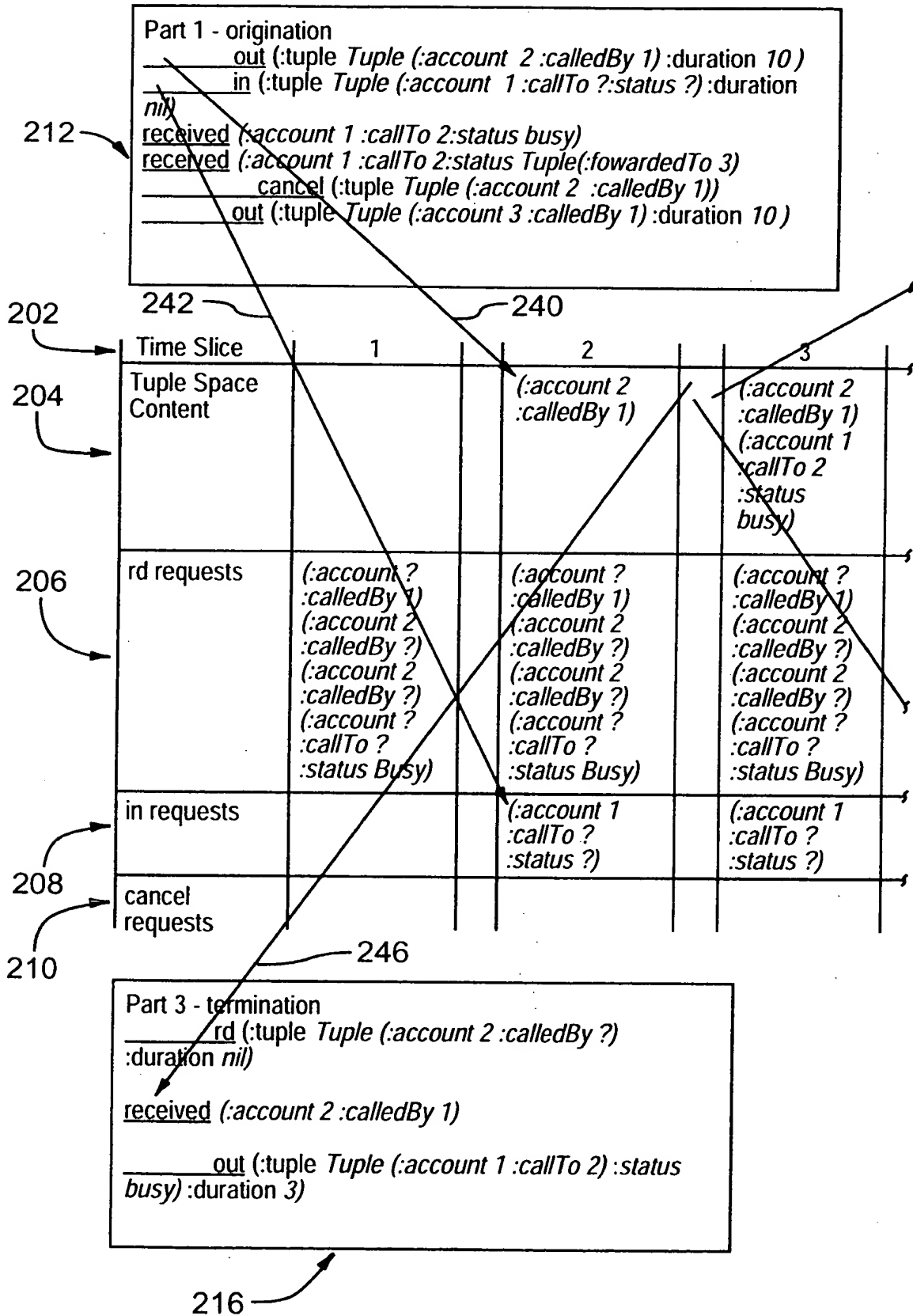


FIG.3A

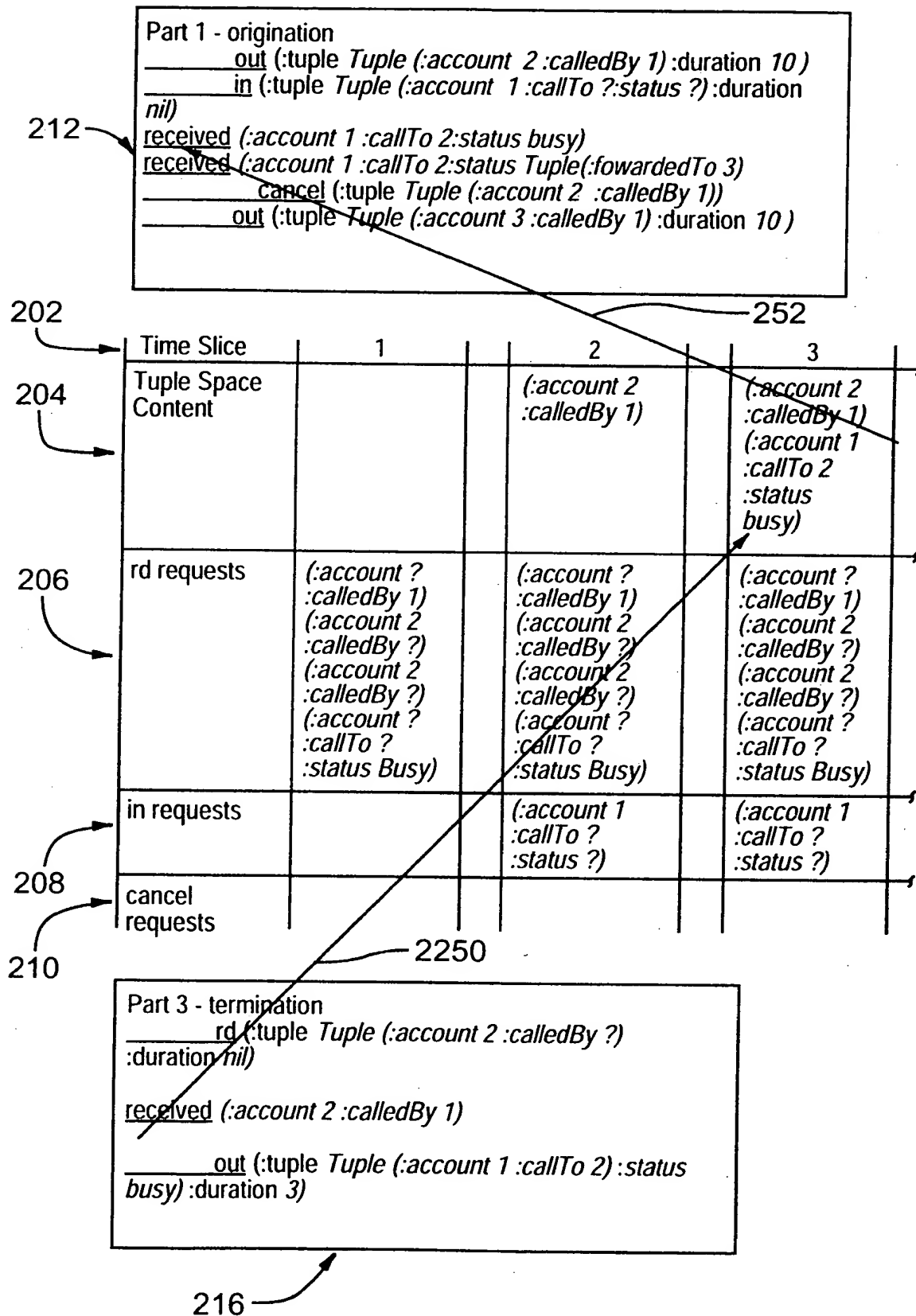


FIG.4A

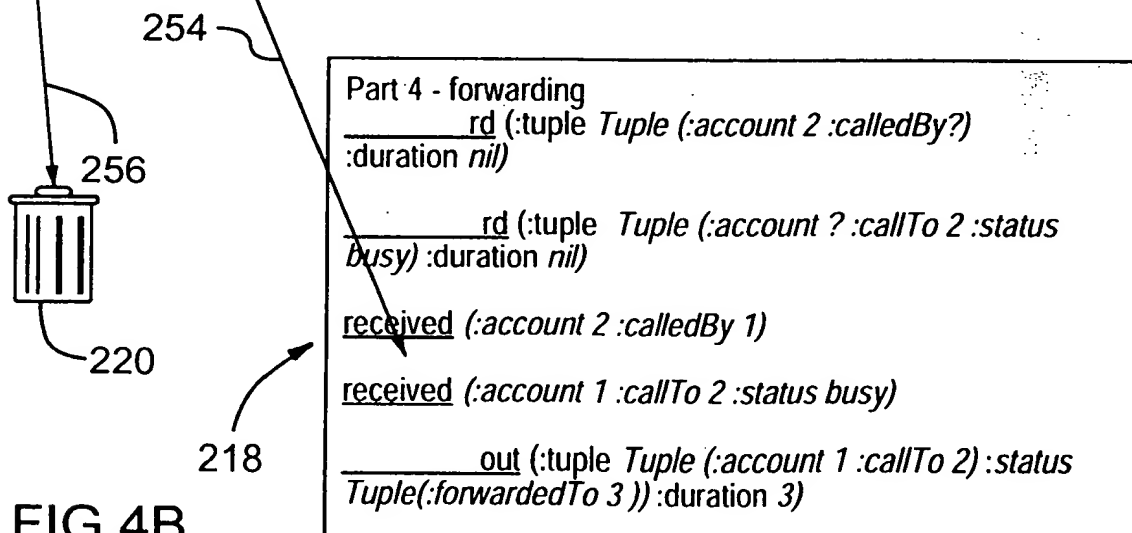
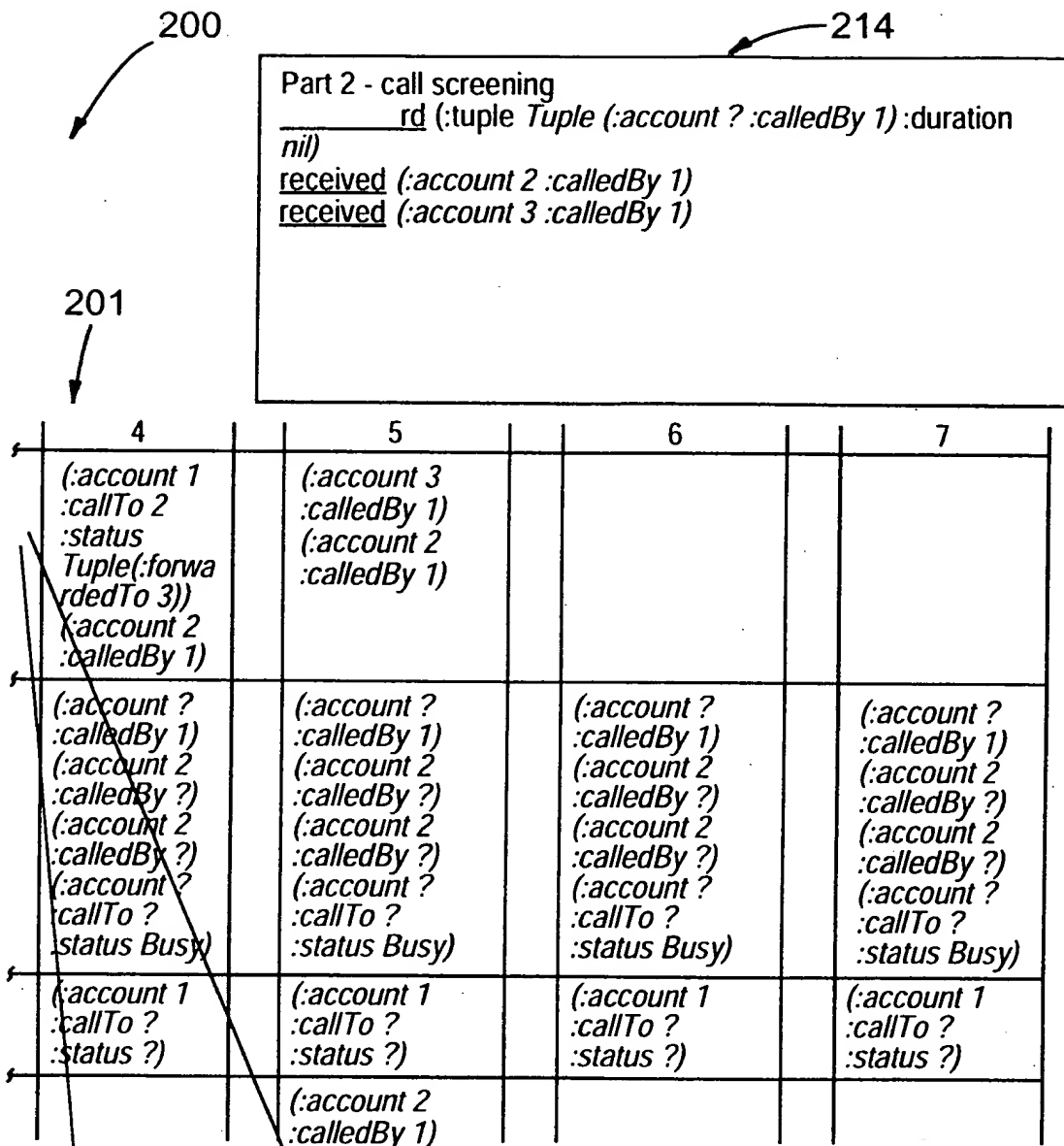


FIG.4B

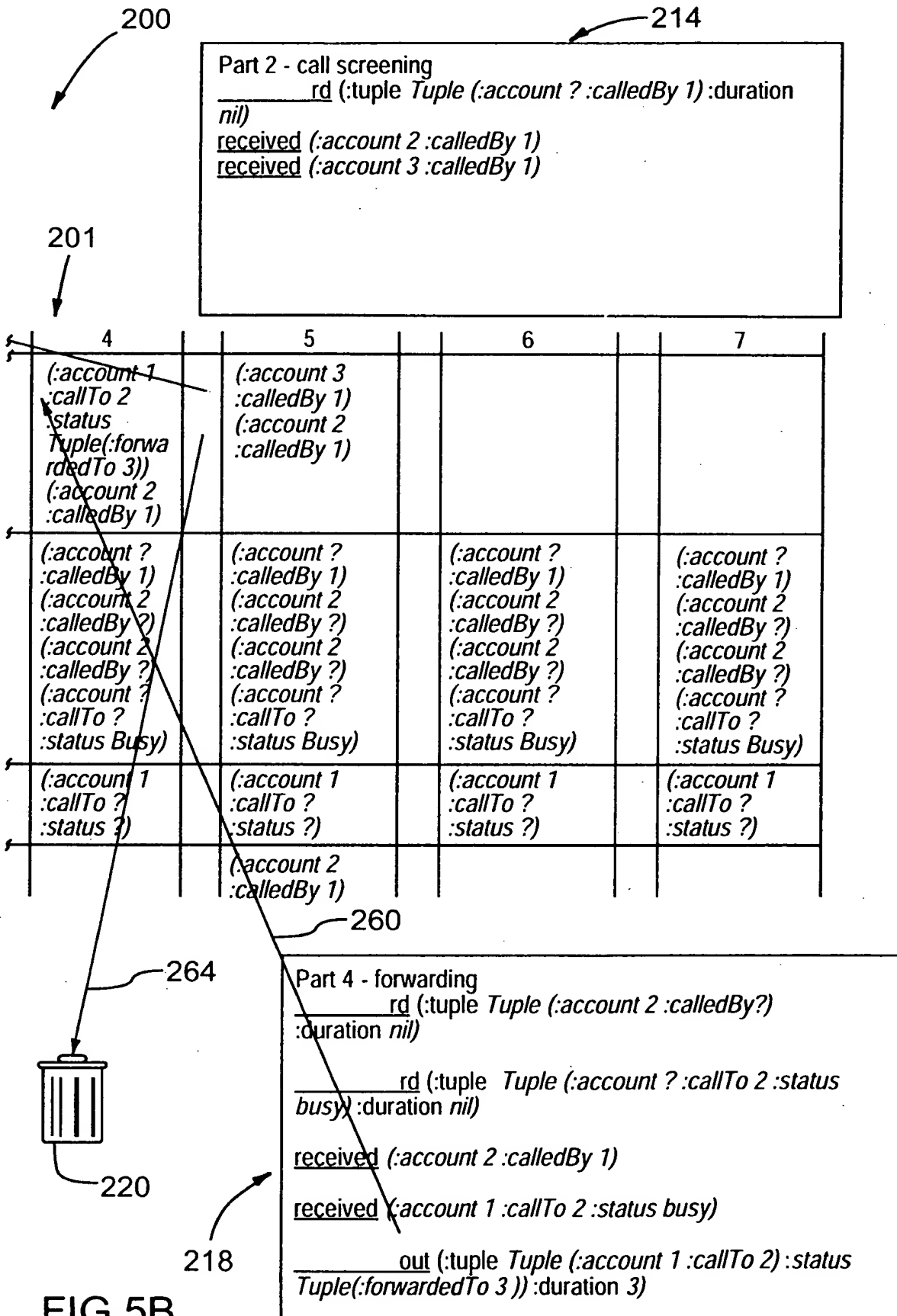


FIG.5B

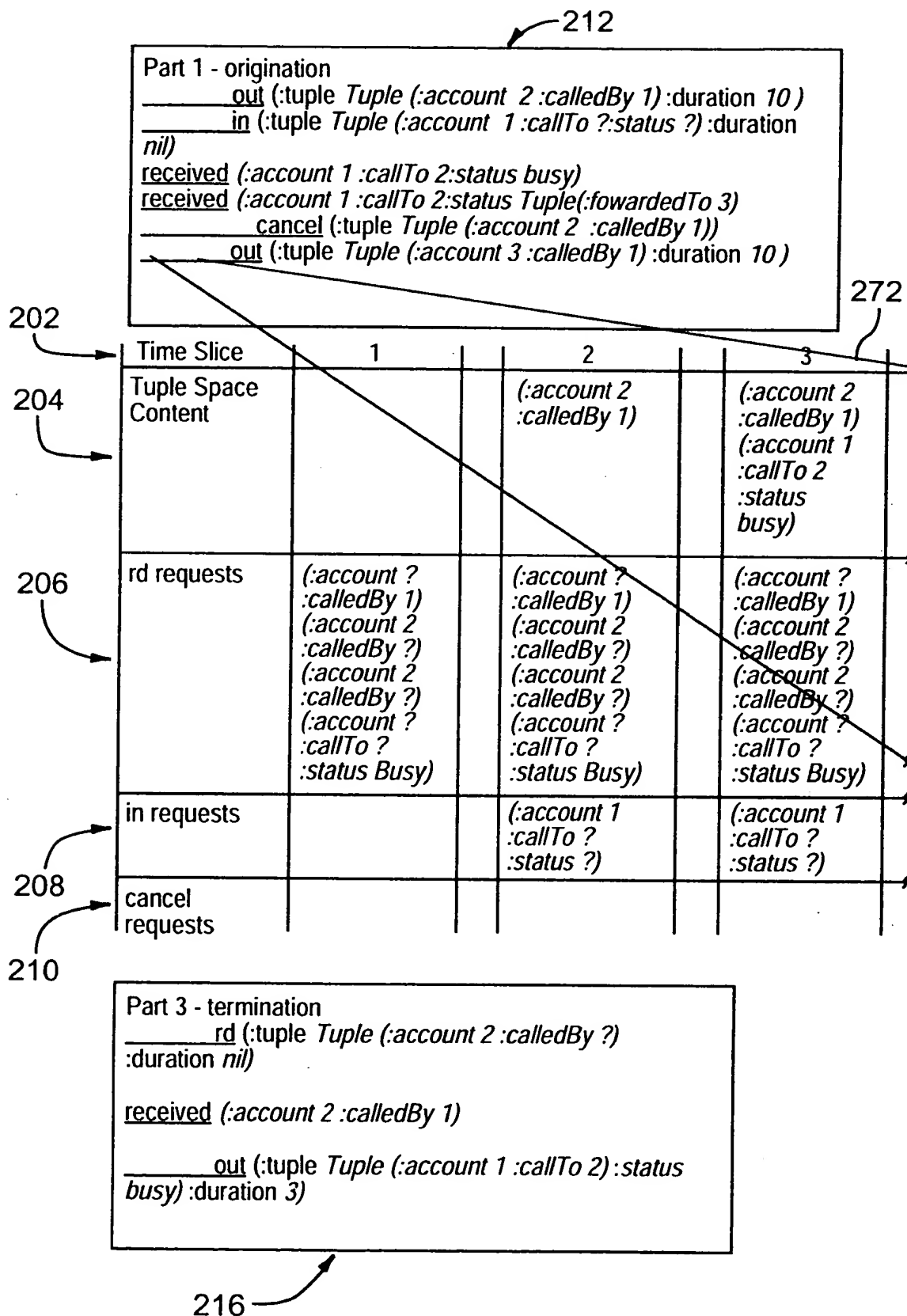


FIG.6A

Part 2 - call screening

rd (:tuple Tuple (:account ? :calledBy 1) :duration nil)

received (:account 2 :calledBy 1)

received (:account 3 :calledBy 1)

4	5	6	7
(:account 1 :callTo 2 :status Tuple(:forwa rdedTo 3)) (:account 2 :calledBy 1)	(:account 3 :calledBy 1) (:account 2 :calledBy 1)		
(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)	(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)	(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)	(:account ? :calledBy 1) (:account 2 :calledBy ?) (:account 2 :calledBy ?) (:account ? :callTo ? :status Busy)
(:account 1 :callTo ? :status ?)	(:account 1 :callTo ? :status ?)	(:account 1 :callTo ? :status ?)	(:account 1 :callTo ? :status ?)
	(:account 2 :calledBy 1)		

Part 4 - forwarding

rd (:tuple Tuple (:account 2 :calledBy ?)
:duration nil)

rd (:tuple Tuple (:account ? :callTo 2 :status
busy) :duration nil)

received (:account 2 :calledBy 1)

received (:account 1 :callTo 2 :status busy)

out (:tuple Tuple (:account 1 :callTo 2) :status
Tuple(:forwardedTo 3)) :duration 3)

i

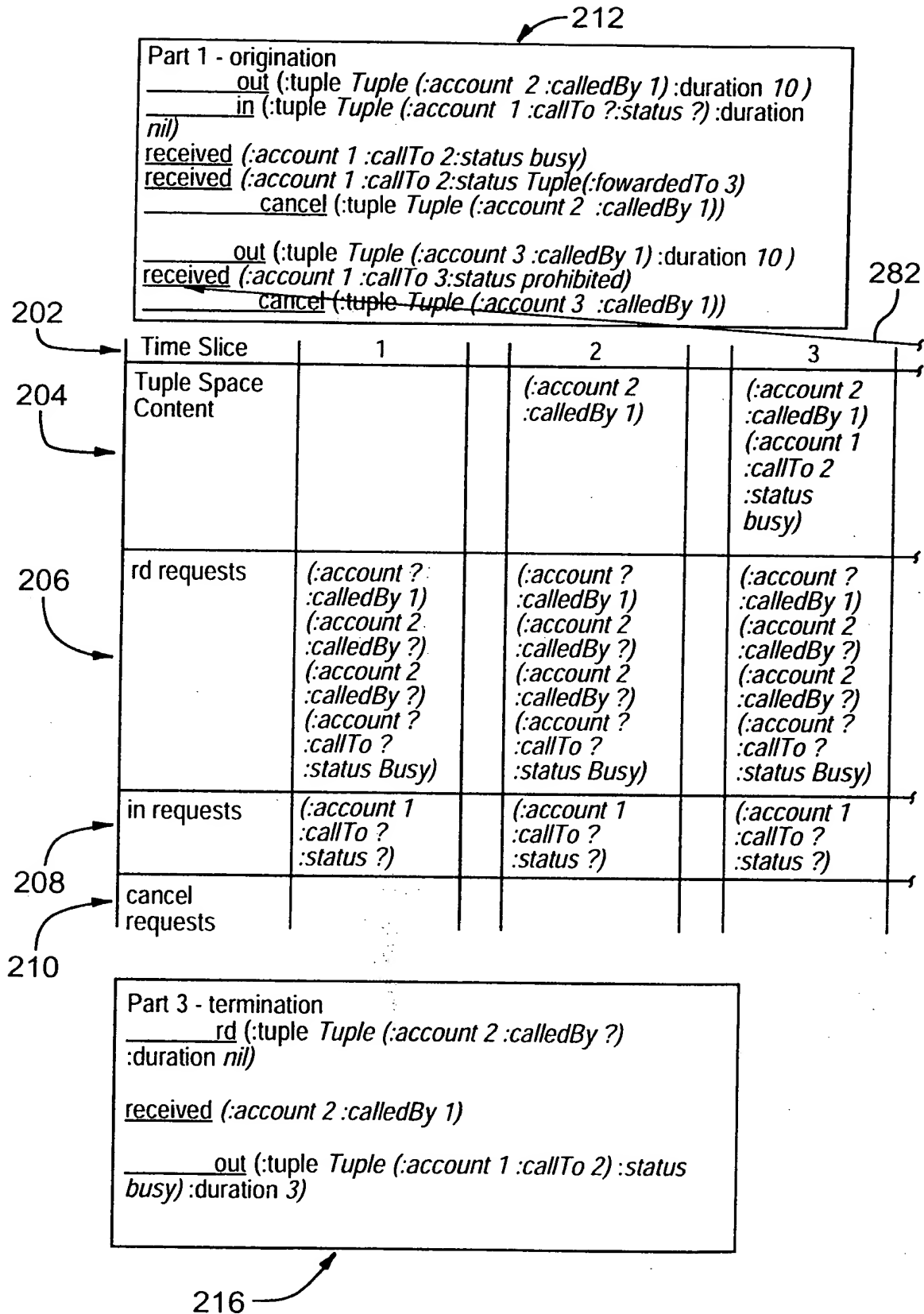


FIG.7A

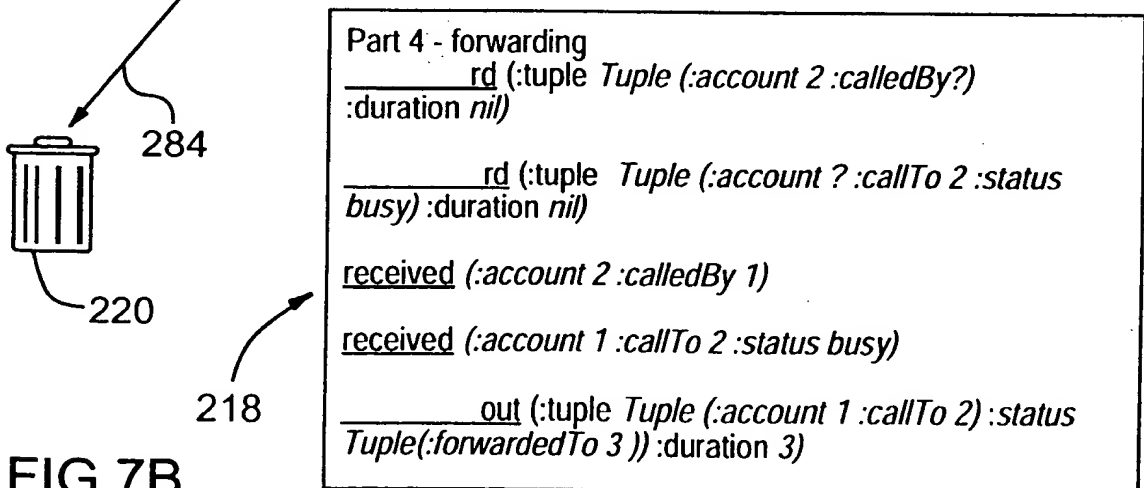
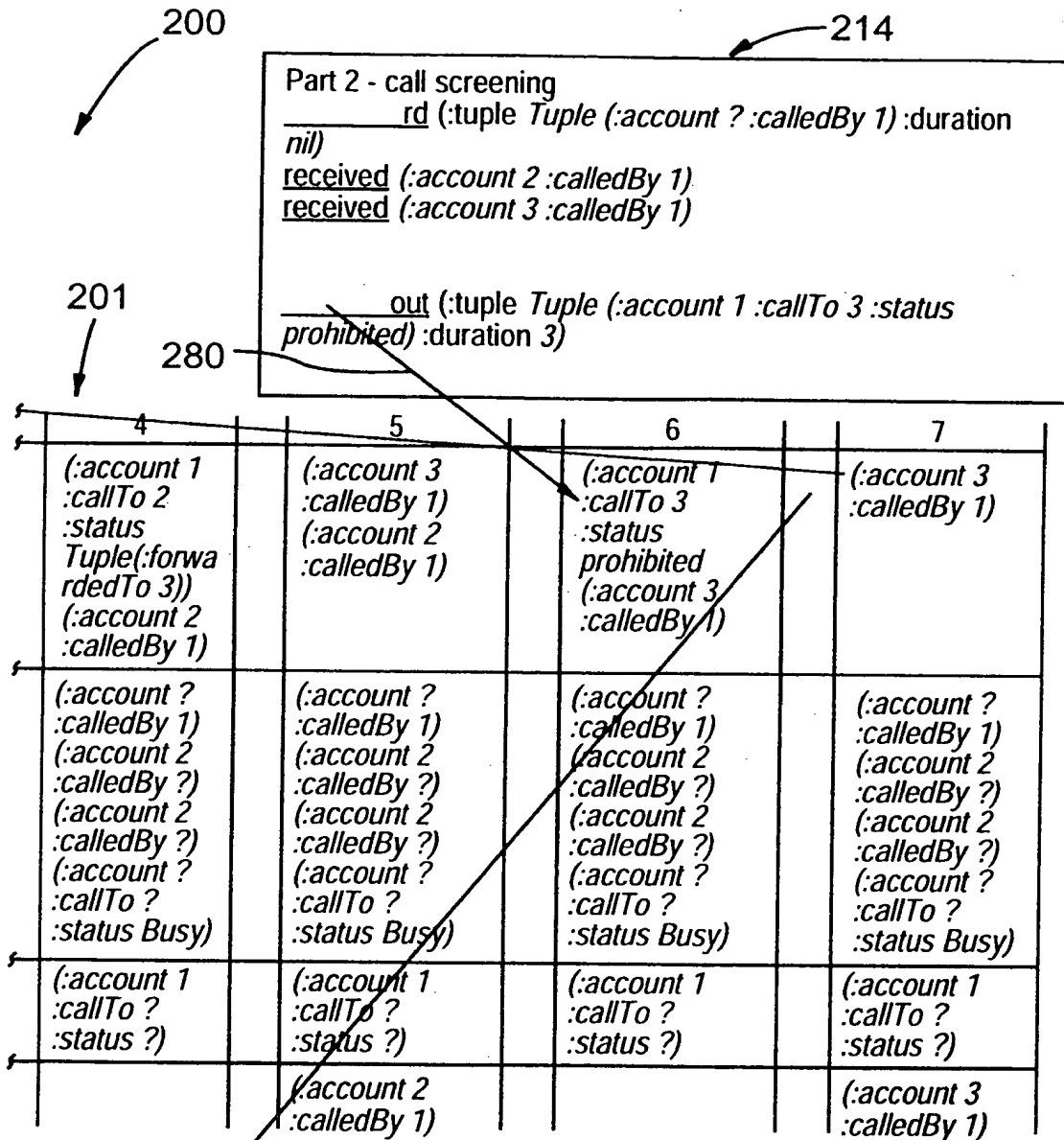
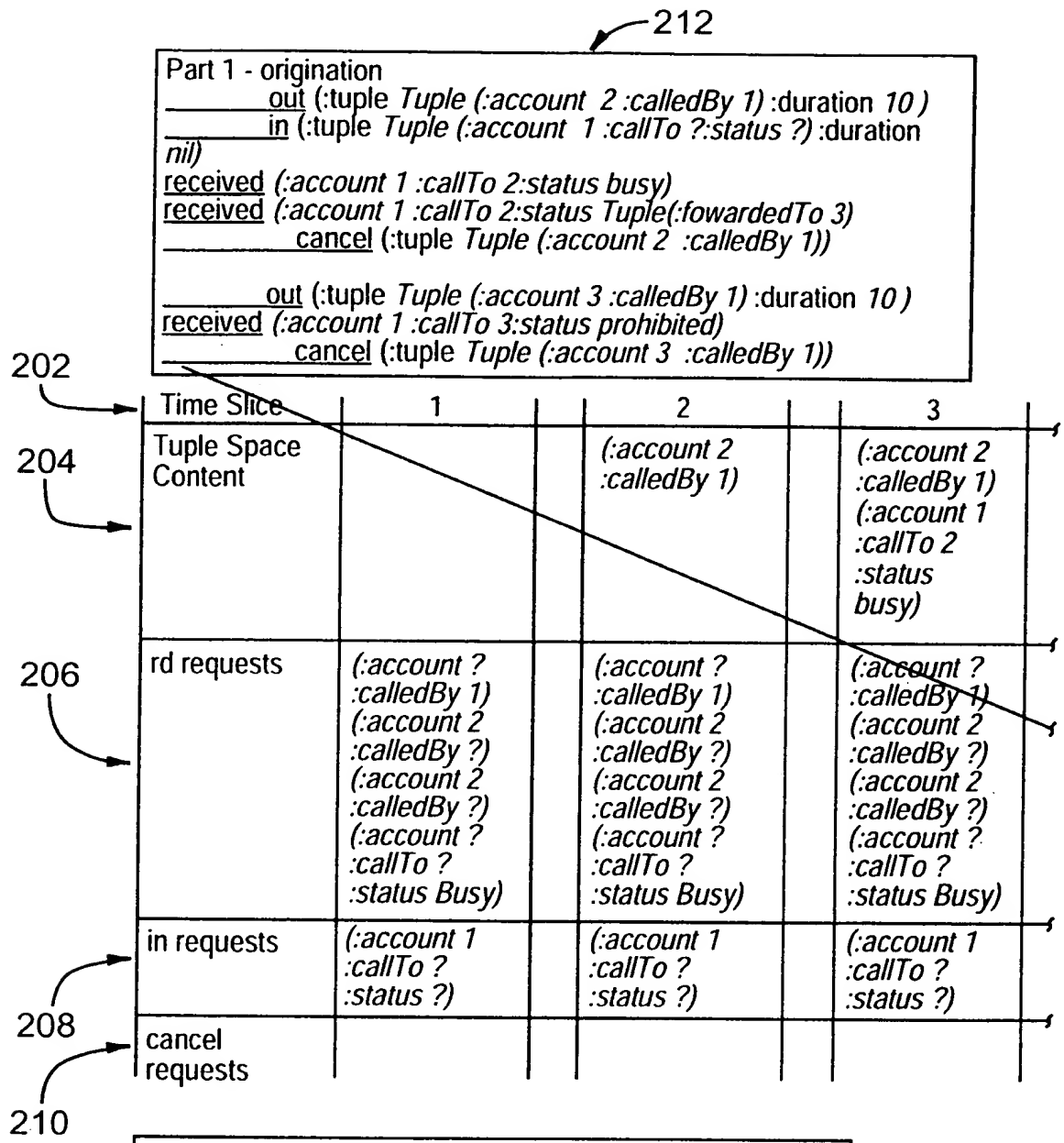


FIG.7B



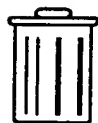
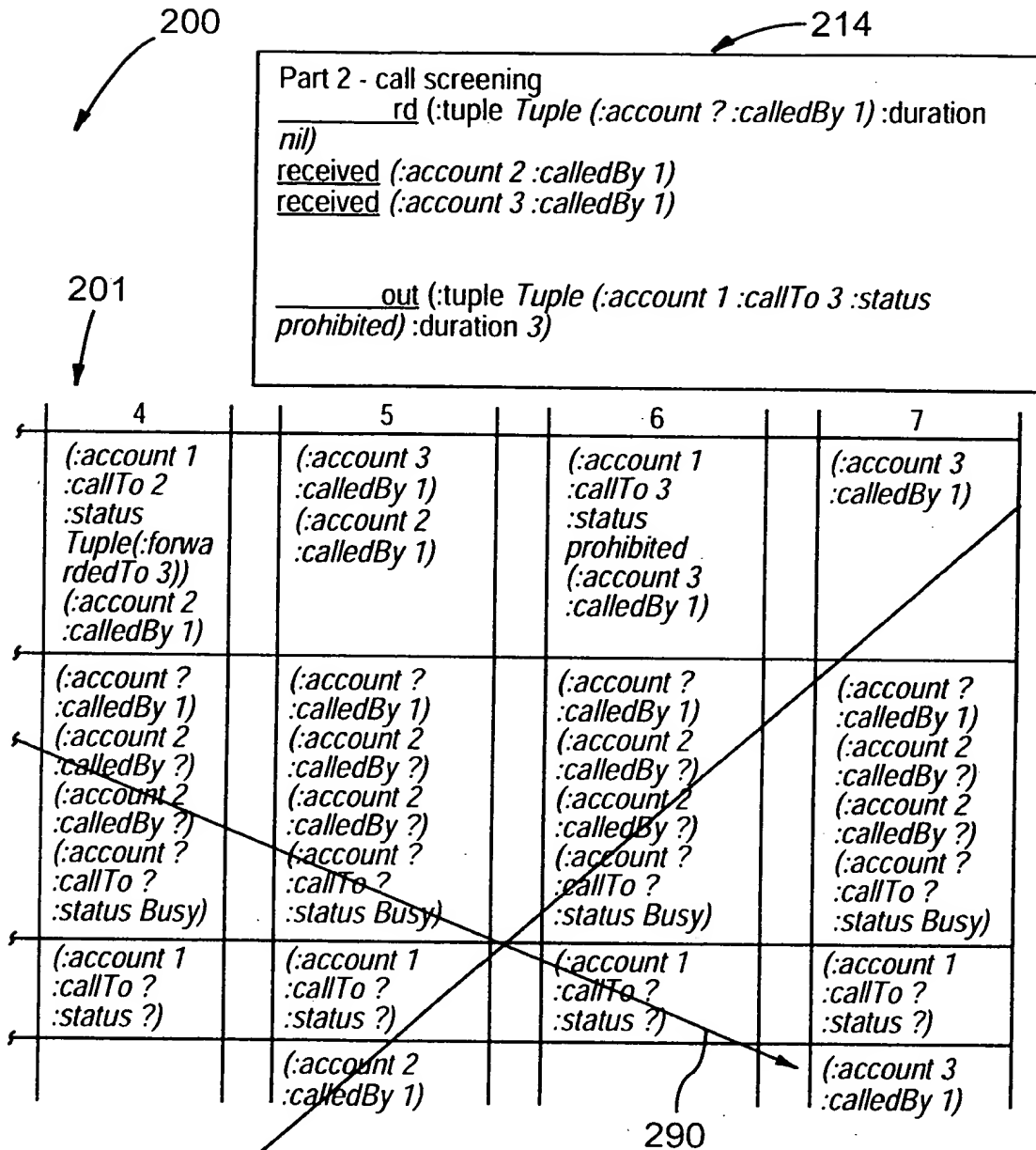
Part 3 - termination
rd (:tuple Tuple (:account 2 :calledBy ?) :duration nil)

received (:account 2 :calledBy 1)

out (:tuple Tuple (:account 1 :callTo 2) :status busy) :duration 3)

216

FIG.8A



292

220

218

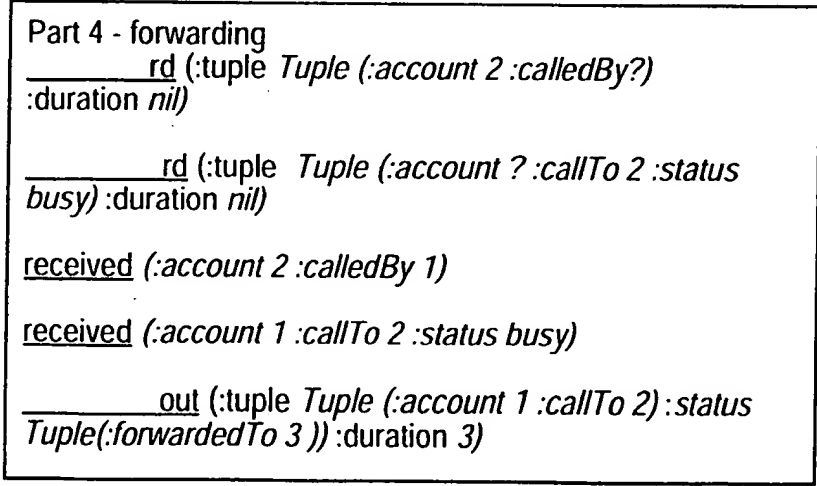


FIG.8B

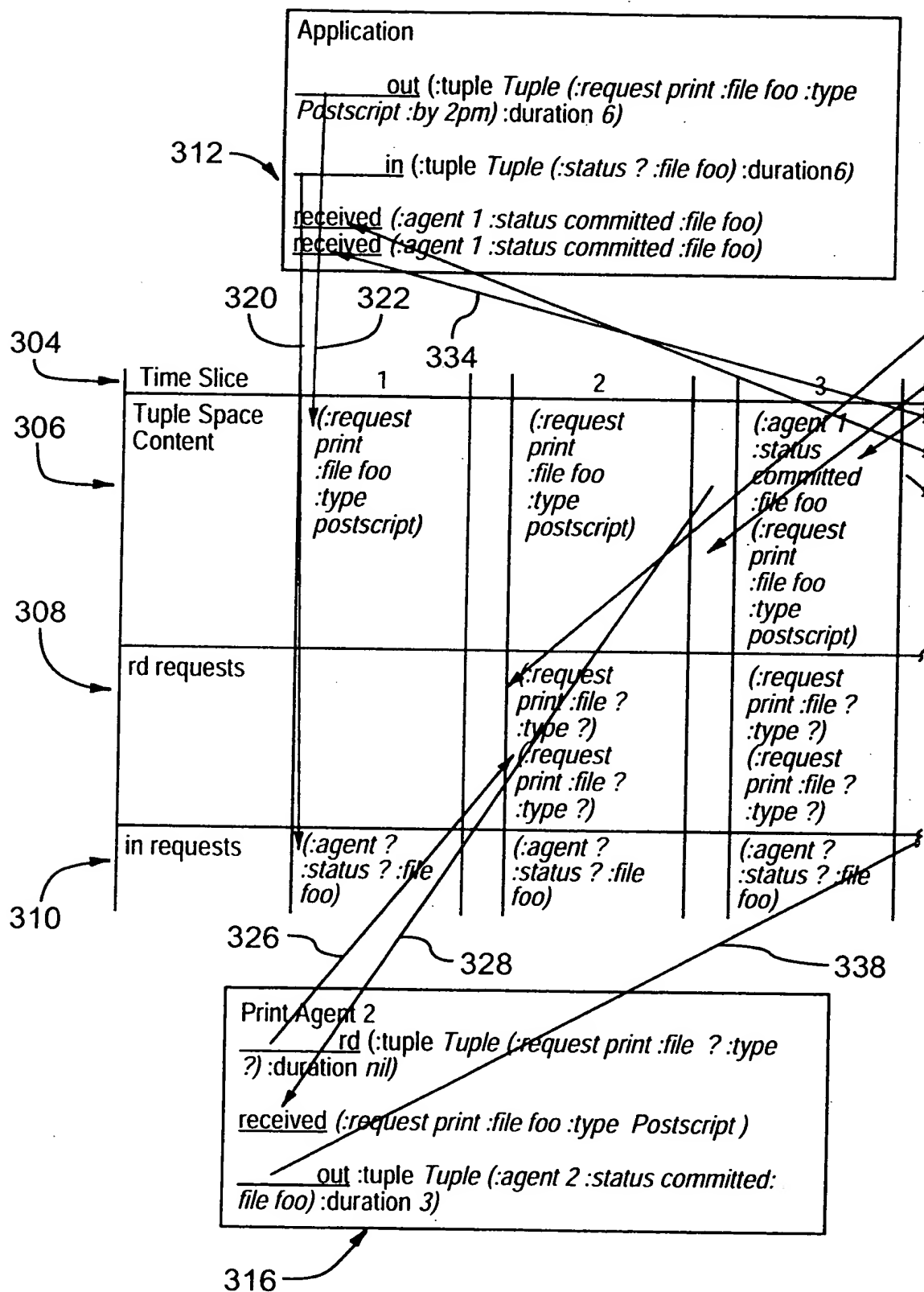


FIG.9A

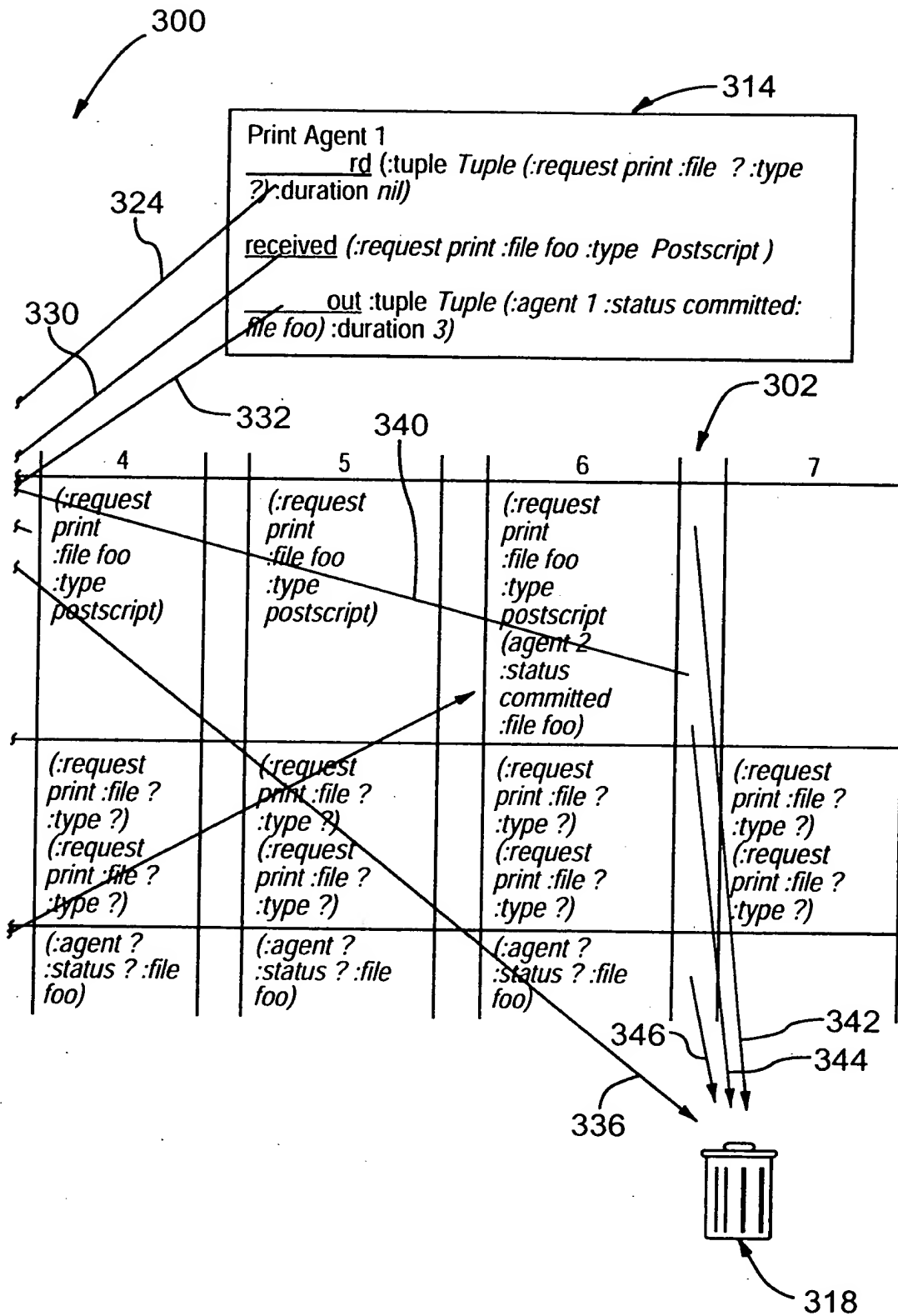


FIG.9B